CC The present sequence represents a gene encoding a human secreted protein
CC (see descriptor line for gene number and clone identification).
XX
SQ Sequence 1687 BP; 502 A; 363 C; 508 G; 302 T; 12 other;

Query Match 76.2%; Score 288; DB 20; Length 1687;
Best Local Similarity 100.0%; Pred. No. 1.1e-136;
Matches 288; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;

```
Qy      91 CGGGGTCACCAGTTATTAGAGGAAGTAACACAAGGGGATATGAGTGCAGCAGACACATTT
150
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1 CGGGGTCACCAGTTATTAGAGGAAGTAACACAAGGGGATATGAGTGCAGCAGACACATTT
60

Qy     151 CTGTCCGATCTGCCAAGGGATGATATCTATGTGTCAGATGTTGAGGACGACGGTGATGAC
210
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      61 CTGTCCGATCTGCCAAGGGATGATATCTATGTGTCAGATGTTGAGGACGACGGTGATGAC
120

Qy     211 ACATCTCTGGATAGTGACCTGGATCCAGAGGAGCTGGCAGGAGTCAGGGGACATCAGGGT
270
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     121 ACATCTCTGGATAGTGACCTGGATCCAGAGGAGCTGGCAGGAGTCAGGGGACATCAGGGT
180

Qy     271 CTAAGGGACCAAAAGCGTATGCGACTTACTGAAGTGCAAGATGATAAAGAGGAGGAGGAG
330
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     181 CTAAGGGACCAAAAGCGTATGCGACTTACTGAAGTGCAAGATGATAAAGAGGAGGAGGAG
240

Qy     331 GAGGAGAATCCACTGCTGGTACCACTGGAGGAAAAGGCAGTACTGCAG 378
           ||||||||||||||||||||||||||||||||||||||||||||||
Db     241 GAGGAGAATCCACTGCTGGTACCACTGGAGGAAAAGGCAGTACTGCAG 288
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RESULT 5
AAV84559
ID   AAV84559 standard; DNA; 1687 BP.
XX
AC   AAV84559;
XX
DT   01-MAR-1999 (first entry)
XX
DE   Human secreted protein gene 149 clone HLMMU76.
XX
KW   Human; secreted protein; fusion protein; gene therapy; protein
therapy;
KW   diagnosis; tissue; cancer; tumour; neurodegenerative disorder;
leukaemia;
KW   developmental abnormality; foetal deficiency; blood; allergy;
renal; ds;
KW   immune system; asthma; lymphocytic disease; brain; hepatic;
lymphoma;
KW   inflammation; ischaemic shock; Alzheimer's disease; restenosis;
AIDS;
KW   cognitive disorder; schizophrenia; prostate; obesity; osteoclast;
thymus;
KW   osteoporosis; arthritis; testis; lung; thyroiditis; thyroid;
digestion;
KW   endocrine; metabolism; regulation; malabsorption; gastritis;
neoplasm.
XX
OS   Homo sapiens.
XX
PN   WO9854963-A2.
XX
PD   10-DEC-1998.
XX
PF   04-JUN-1998;   98WO-US11422.
XX
PR   18-DEC-1997;   97US-0070923.
PR   06-JUN-1997;   97US-0048877.
PR   06-JUN-1997;   97US-0048881.
PR   06-JUN-1997;   97US-0048884.
PR   06-JUN-1997;   97US-0048893.
PR   06-JUN-1997;   97US-0048896.
PR   06-JUN-1997;   97US-0048899.
PR   06-JUN-1997;   97US-0048915.
PR   06-JUN-1997;   97US-0048949.
PR   06-JUN-1997;   97US-0048964.
PR   06-JUN-1997;   97US-0048972.
PR   06-JUN-1997;   97US-0049020.
PR   06-JUN-1997;   97US-0049375.
PR   05-SEP-1997;   97US-0057628.
PR   05-SEP-1997;   97US-0057635.
PR   05-SEP-1997;   97US-0057644.
PR   05-SEP-1997;   97US-0057647.
PR   05-SEP-1997;   97US-0057650.
PR   05-SEP-1997;   97US-0057661.
PR   05-SEP-1997;   97US-0057667.
PR   05-SEP-1997;   97US-0057761.
PR   05-SEP-1997;   97US-0057764.

PR 05-SEP-1997; 97US-0057770.
PR 05-SEP-1997; 97US-0057775.
PR 05-SEP-1997; 97US-0057778.
PR 06-JUN-1997; 97US-0048875.
PR 06-JUN-1997; 97US-0048878.
PR 06-JUN-1997; 97US-0048882.
PR 06-JUN-1997; 97US-0048885.
PR 06-JUN-1997; 97US-0048894.
PR 06-JUN-1997; 97US-0048897.
PR 06-JUN-1997; 97US-0048900.
PR 06-JUN-1997; 97US-0048916.
PR 06-JUN-1997; 97US-0048962.
PR 06-JUN-1997; 97US-0048970.
PR 06-JUN-1997; 97US-0048974.
PR 06-JUN-1997; 97US-0049373.
PR 05-SEP-1997; 97US-0057584.
PR 05-SEP-1997; 97US-0057629.
PR 05-SEP-1997; 97US-0057642.
PR 05-SEP-1997; 97US-0057645.
PR 05-SEP-1997; 97US-0057648.
PR 05-SEP-1997; 97US-0057651.
PR 05-SEP-1997; 97US-0057662.
PR 05-SEP-1997; 97US-0057668.
PR 05-SEP-1997; 97US-0057762.
PR 05-SEP-1997; 97US-0057765.
PR 05-SEP-1997; 97US-0057771.
PR 05-SEP-1997; 97US-0057776.
PR 06-JUN-1997; 97US-0048876.
PR 06-JUN-1997; 97US-0048880.
PR 06-JUN-1997; 97US-0048883.
PR 06-JUN-1997; 97US-0048892.
PR 06-JUN-1997; 97US-0048895.
PR 06-JUN-1997; 97US-0048898.
PR 06-JUN-1997; 97US-0048901.
PR 06-JUN-1997; 97US-0048917.
PR 06-JUN-1997; 97US-0048963.
PR 06-JUN-1997; 97US-0048971.
PR 06-JUN-1997; 97US-0049019.
PR 06-JUN-1997; 97US-0049374.
PR 05-SEP-1997; 97US-0057627.
PR 05-SEP-1997; 97US-0057634.
PR 05-SEP-1997; 97US-0057643.
PR 05-SEP-1997; 97US-0057646.
PR 05-SEP-1997; 97US-0057649.
PR 05-SEP-1997; 97US-0057654.
PR 05-SEP-1997; 97US-0057666.
PR 05-SEP-1997; 97US-0057760.
PR 05-SEP-1997; 97US-0057763.
PR 05-SEP-1997; 97US-0057769.
PR 05-SEP-1997; 97US-0057774.
PR 05-SEP-1997; 97US-0057777.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Brewer LA, Carter KC, Dillon PJ, Ebner R, Endress GA;
PI Fan P, Feng P, Ferrie AM, Fischer CL, Florence C;
PI Florence K, Greene JM, Hu J, Kyaw H, Lafleur DW;

PI Li Y, Moore PA, Ni J, Olsen HS, Rosen CA, Ruben SM;
PI Shi Y, Soppet DR, Wei Y, Young P, Yu G, Zeng Z;
XX
DR WPI; 1999-059865/05.
DR P-PSDB; AAW88682, AAW89010, AAW89011, AAW89012.
XX
PT New isolated human genes and the secreted polypeptides they encode -
PT useful for diagnosis and treatment of e.g. cancers, neurological
PT disorders, immune diseases, inflammation or blood disorders
XX
PS Claim 4; Page 410-411; 772pp; English.
XX
CC The invention relates to nucleic acid sequences (AAV84411 to AAV84633)
CC encoding human secreted proteins (AAW88534 to AAW88756). The secreted
CC protein gene sequences are deposited with the ATCC under deposit numbers
CC ATCC 97979, 97974, 97975, 97976, 97977, 209007, 209008, 209009, 209010,
CC 209011, 209080, 209081, 209082, 209083, 209084, 209085, 209511. Host
CC cells comprising recombinant vectors containing the nucleic acid
CC sequences are used for the recombinant production of the secreted
CC proteins. The polynucleotide and amino acid sequences are useful for are
CC useful for preventing, treating or ameliorating medical conditions e.g.
CC by protein or gene therapy. Pathological conditions can be also
CC diagnosed by determining the amount of the new polypeptides in a sample
CC or by determining the presence of mutations in the new polynucleotides.
CC Specific uses are described for each of the polynucleotides, based on
CC which tissues they are most highly expressed in, and include developing
CC products for the diagnosis or treatment of cancer, neurodegenerative
CC disorders, developmental abnormalities and foetal deficiencies, blood
CC disorders, tumours, leukemias, diseases of the immune system, autoimmune
CC diseases, hepatic and renal disease, lymphomas, inflammation, allergies,
CC ischemic shock, Alzheimer's and cognitive disorders, schizophrenia,
CC restenosis, prostate diseases, obesity, disorders involving osteoclasts
CC such as osteoporosis, arthritis or malignancies, diseases of testes,
CC lung or thymus, digestive/endocrine disorders, infections and AIDS. The
CC polypeptides are also useful for identifying their binding partners.